

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

ORDER NO. 01-006

**WASTE DISCHARGE REQUIREMENTS
FOR
MITSUBISHI CEMENT CORPORATION, OWNER/OPERATOR
MITSUBISHI CEMENT CORPORATION, CUSHENBURY PLANT
INDUSTRIAL WASTEWATER DISPOSAL FACILITY
Lucerne Valley – San Bernardino County**

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Mitsubishi Cement Corporation (hereinafter also referred to as the discharger), HCR Box 400, Lucerne Valley, CA 92356, submitted current information in a report of waste discharge, dated October 6, 2000, to update the Waste Discharge Requirements for the existing earthen basin surface impoundment. The discharger's plant is located at 5808 State Highway 18, Lucerne Valley, CA 92356 as shown in the attached "Site Map", incorporated herein and made a part of this Order.
2. The discharger operates a cement manufacturing plant that uses limestone mined from rock units located within the vicinity of the plant, as raw materials. The raw feed material is calcined in the preheater/precalciner tower and sintered in the kiln. The clinker is cooled and ground to final product in finish mills. The cement is stored in silos for shipment to market.
3. The facility discharges an average of 300 gallons-per-day (gpd) of industrial wastewater that consists of wash water from the maintenance yard area and overflow water from the plant cooling system. The wastewater is routed to an unlined surface impoundment for final disposal by evaporation and infiltration.
4. The surface impoundment is located in the SE ¼ of Section 10, T3N, R1E, SBB&M, and is approximately 400 X 300 feet and six (6) feet deep in size.
5. This discharge has been subject to Waste Discharge Requirements adopted in Board Order 90-013.
6. This Board Order updates the Waste Discharge Requirements to comply with current laws and regulations as set forth in the California Water Code and the California Code of Regulations.
7. In addition to the wastes described in Finding No. 3, the facility discharges an average of 5,000 gallons-per-day of domestic sewage from the plant restrooms through a septic tank/leach field system. This discharge is subject to General Waste Discharge Requirements in Board Order No. 97-500.
8. There are no domestic water wells within 200 feet of the discharge facilities described in Finding No. 7 above. The plant's water supply is provided from several wells. The main well is located about 1,000 feet north of the disposal area. The water has a total dissolved solids (TDS) concentration of about 500 mg/L. The depth-to-ground water in the disposal area is about 60 feet.
9. The plant site is located near the intersection of North Frontal Fault Zone and the Helendale Fault on a moderately sloping alluvial fan composed of very permeable gravelly sand. The annual precipitation in the local area averages less than 10 inches.

10. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted in November 17, 1993, and designates the beneficial uses of ground and surface waters in this Region.
11. The beneficial uses of ground water in the Lucerne Hydrologic Unit are:
 - a. Municipal Supply (MUN)
 - b. Industrial Supply (IND)
 - c. Agriculture Supply (AGR)
12. Zoning within 1000 feet of the surface impoundment is heavy industrial.
13. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these Waste Discharge Requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000 et seq.).
14. The Board has notified the discharger and all known interested agencies and persons of its intent to issue Waste Discharge Requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
15. The Board, in a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Board Order No. 90-013 is rescinded, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050 of Division 7 of the California Water Code.
2. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the surface impoundment.
3. The discharge shall not contain a total dissolved solids concentration in excess of 400 mg/L above the source water.
4. The surface impoundment shall be protected from any washout or erosion of wastes or covering material and from any inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
5. Ponds shall be managed to prevent breeding of mosquitoes as follows:
 - a. An erosion control program should assure that small coves and irregularities are not created around the perimeter of the water surface.
 - b. Weeds shall be minimized through control of water depth, harvesting, or herbicides.
 - c. Dead algae, vegetation, and debris shall not accumulate on the water surface.
6. Infiltration facilities (basins) shall be maintained and operated so as to maximize infiltration and minimize the increase in salinity of the infiltrating wastewater by evaporation.

7. The discharger shall remove and properly relocate any wastes that were discharged at this site in violation of these requirements.
8. The discharge shall not cause degradation of ground or surface water.
9. Adequate measures shall be taken to ensure that flood or surface drainage waters do not erode or otherwise render the surface impoundment inoperable.
10. There shall be no discharge of wastewater away from the disposal basin.
11. Discharge into the unlined basin shall cease in event of any failure in the disposal system that threatens the beneficial water uses.

B. Prohibitions

1. The direct discharge of any wastewater to any surface water or surface drainage courses is prohibited.
2. Bypass or overflow of untreated or partially treated waste is prohibited.
3. Discharge of waste to land not owned or controlled by the discharger is prohibited.
4. The discharge of treated wastewater at a location or in a manner different from that described in Finding No. 3 above is prohibited.
5. The discharge or deposit of hazardous waste (as defined in Title 27 of the California Code of Regulations), and other wastes that pose a potential threat to water quality at this facility is prohibited.
6. The discharge or deposit of designated waste (as defined in Title 27 of the California Code of Regulations), and other wastes, to the evaporation/infiltration basin is prohibited.

C. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No. 01-006" and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
3. Prior to any modifications in this facility, which would result in material change in the quality or quantity of discharge, or any material change in the location of the discharge, the discharger shall report all pertinent information in writing to the Regional Board and obtain revised requirements before any modifications are implemented.
4. The discharger shall ensure that all site-operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
6. The Regional Board will review this Board Order periodically and may revise requirements when necessary.
7. The discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
 - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
 - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
8. The discharger shall comply with all of the conditions of this Board Order. Any noncompliance with this Board Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.
 9. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
 10. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency .
 11. The discharger shall provide an inventory of all hazardous materials that will be handled at the facility by July 15, 2001.
 12. The discharger is the responsible party for the Waste Discharge Requirements, and the monitoring and reporting program for the facility. The discharger shall comply with all conditions of these Waste Discharge Requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability or in modification or revocation of these Waste Discharge Requirements by the Regional Board.
 13. The discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order. Records shall be maintained for a minimum of three (3) years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board's Executive Officer.
 14. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances), that are installed or used by the discharger to achieve compliance with conditions of this Board Order.
 15. All maintenance performed shall be reported with the monitoring reports as required.
 16. The discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional

Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.

17. Ponds shall have sufficient capacity to accommodate allowable wastewater flow, design seasonal precipitation, ancillary inflow, and infiltration during the non-irrigation season. Design seasonal precipitation shall be based on total annual precipitation using a return period of 100 years, distributed monthly in accordance with historical rainfall patterns.
18. The discharger shall report any noncompliance that is likely to endanger human health or the environment, within 24 hours of becoming aware of its occurrence. The incident shall be reported to the Regional Board Office and to the Office of Emergency Services. During non-business hours, the discharger shall leave a message on the Regional Board's voice mail. The Office of Emergency Services is operational 24 hours a day. A written report shall be submitted to this office, within five (5) business days of the discharger becoming aware of the incident. The report shall contain a description of the noncompliance, its causes, the duration, and the actual or anticipated time for achieving compliance. The report shall include complete details of the steps that the discharger has taken or intends to take, in order to prevent recurrences. All intentional or accidental spills exceeding 1,000 gallons shall be reported as required by this provision.

I, Philip A. Gruenberg, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on March 14, 2001.

Executive Officer